

Christine N. Bedore

Department of Biology • Georgia Southern University

Email: cbedore@georgiasouthern.eduWeb: [Bedore Sensory Ecology Lab](#)Facebook: [Georgia Southern Sensory Ecology Lab](#)Other: [Google Scholar](#), [ResearchGate](#)**EDUCATION**

2013	Florida Atlantic University Ph.D., Integrative Biology	Boca Raton, FL
2007	Michigan State University B.S., Zoology, Marine Biology	East Lansing, MI

PROFESSIONAL EXPERIENCE

2015-	Georgia Southern University Assistant Professor, Department of Biology	Statesboro, GA
2014-2015	California State University, Fullerton Part-time Faculty, Biological Science	Fullerton, CA
2014-2015	NOAA/NMFS Southwest Fisheries Science Center Visiting researcher, Fisheries Research Division	La Jolla, CA
2013-2014	Duke University Postdoctoral Associate, Biology Department	Durham, NC

PEER- REVIEWED PUBLICATIONS

<i>In prep</i>	Bedore, CN, LL Harris, and SM Kajiura. Comparative ecomorphology of batoid electrosensory systems. (<i>In prep</i> for submission to Journal of Morphology)
2015	Bedore CN, SM Kajiura, and S Johnsen. Freezing behaviour facilitates bioelectric crypsis in cuttlefish faced with predation risk. Proceedings of the Royal Society B 282: 20151886
2015	Harris LL, CN Bedore , and SM Kajiura. Electroreception in the obligate freshwater stingray, <i>Potamotrygon motoro</i> . Marine and Freshwater Research. Marine and Freshwater Research 66: 1027-1036
2014	Bedore CN, LL Harris, and SM Kajiura. Behavioral responses of batoid elasmobranchs to prey-simulating electric fields are correlated to peripheral morphology and ecology. Zoology 117(2): 95-103 (with cover)
2013	Bedore CN, ER Loew, RE Hueter, DM McComb, TM Frank, and SM Kajiura. A physiological analysis of color vision in batoid elasmobranchs. Journal of Comparative Physiology A 199(12): 1129-1141
2013	Bedore CN and SM Kajiura. Bioelectric fields of marine organisms: voltage and frequency contributions to detectability by electroreceptive predators. Physiological and Biochemical Zoology 86(3): 298-311 (with cover)
2008	Chung-Davidson Y-W, MB Bryan, J Teeter, CN Bedore , and W Li. Neuroendocrine and behavioral responses to weak electric fields in adult sea lampreys (<i>Petromyzon marinus</i>). Hormones and Behavior 54(1): 34-40

FIELD/SEA EXPERIENCE

2017-	OCEARCH Exploration Sciences Scientist on LowCountry Expedition White and tiger shark visual physiology	Hilton Head, SC
2016-	Georgia Southern University Fishery-dependent survey of elasmobranch interactions in the Georgia commercial shrimp trawl fishery Fishery-independent survey of commercially important shrimp species in Georgia state waters (with Georgia Department of Natural Resources)	Brunswick, GA
2015-	Virginia Institute of Marine Science Cownose ray collection and sampling in haul seine and pound net fisheries of the Chesapeake Bay	Gloucester Point, VA Chesapeake Bay
2015	California State University/Southern California Marine Institute Fish population abundance and species identification	Long Beach, CA
2012	NOAA/NMFS Southwest Fisheries Science Center Highly Migratory Species longline survey research cruise	La Jolla, CA Channel Islands, CA
2011	Florida State University Deepwater elasmobranch population abundance and species composition longline survey research cruise	Tallahassee, FL Gulf of Mexico
2007-2012	Florida Atlantic University Elasmobranch collections for lab research Field testing of electrical shark deterrents research cruise	Boca Raton, FL Florida Keys Bahamas
2007	Michigan State University Collection of sea lampreys, effects of synthetic pheromones on sea lamprey population control and neuroendocrine function in Great Lakes tributaries	East Lansing, MI Houghton Lake, MI
2006-2013	Mote Marine Laboratory Coastal shark population assessment Collection and transport of elasmobranchs for laboratory research Tagging and movement patterns of coastal elasmobranchs	Sarasota, FL

GRANTS/AWARDS

<i>In review</i>	PADI Foundation Foundation Grant (\$10,000) Foundation Grant (\$6500)	
<i>In review</i>	Georgia Southern University Faculty Development Pilot Grant (\$5000)	
2016-	Loligo Systems, Vemco, Texas State Aquarium, Wildlife Computers American Elasmobranch Society Symposium Support grants (\$6500 total)	

American Elasmobranch Society

2016	Symposium Grant for 2017 symposium (\$1000)
2011	Student Research Award (\$1000)
2010	Henry and Anne Mollet “ElasMollet” Research Award (\$1000)
2009	Donald R. Nelson Behavior Research Award (\$1000)

Florida Atlantic University

2012	Newell Doctoral Fellowship (\$5000)
2009	Graduate Fellowship for Academic Excellence (\$5000)
2009-2012	FAU Graduate Grant (\$6100)
2008-2012	Departmental scholarships (\$4900)

American Museum of Natural History

2011	Lerner-Grey Grants for Marine Research (\$1590)
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Sigma Xi Scientific Research Society

2011	Grants-in-Aid of Research (\$1000)
2010	Grants-in-Aid of Research (\$1395)

Society for Integrative and Comparative Biology

2010	Grants-in-Aid of Research (\$1000)
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2008-2014	Travel awards: American Elasmobranch Society (2008), Society for Integrative and Comparative Biology (2009, 2012, 2013, 2015), Florida Atlantic University Graduate Student Association (2010, 2011, 2012), Florida Atlantic University College of Science (2010, 2011, 2012), Save Our Seas Foundation (2013, 2015)
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FIRST-AUTHORED PRESENTATIONS

2017	American Fisheries Society, Georgia Chapter	Statesboro, GA
2017	Society for Integrative and Comparative Biology	New Orleans, LA
2016	Evolutionary Ethology and Ecology of Fishes	Tallahassee, FL
2016	American Elasmobranch Society	New Orleans, LA
2015	American Elasmobranch Society*	Reno, NV
2014	American Elasmobranch Society	Chattanooga, TN
2014	Society for Integrative and Comparative Biology	Austin, TX
2013	American Elasmobranch Society*	Albuquerque, NM
2013	Animal Behavior Society	Boulder, CO
2013	Office of Naval Research Annual MURI Review	Durham, NC
2013	Society for Integrative and Comparative Biology	San Francisco, CA
2012	American Elasmobranch Society	Vancouver, BC
2012	Society for Integrative and Comparative Biology	Charleston, SC
2011	American Elasmobranch Society	Minneapolis, MN
2010	American Elasmobranch Society	Providence, RI
2009	American Elasmobranch Society	Portland, OR
2009	Society for Integrative and Comparative Biology	Boston, MA

*Invited Symposium talk

INVITED PRESENTATIONS AND SEMINARS

2017	College of Charleston	Charleston, SC
2017	Florida Atlantic University	Boca Raton, FL
2017	University of South Carolina	Columbia, SC
2016	University of North Florida	Jacksonville, FL
2015	Georgia Southern University	Statesboro, GA
2013	Duke University	Durham, NC
2012	Florida Atlantic University	Boca Raton, FL

STUDENTS MENTORED- GRADUATE

2017-	Brianna Hall (M.S.)- Potential for brain warming in Myliobatiform rays	Georgia Southern University
2016-	Theresa Gunn (M.S.)- Environmental and physiological regulation of camouflage in yellow stingrays	Georgia Southern University
2016-	Matthew Scanlon (M.S.)- Abundance and frequency of shark depredation on commercial trawls in Georgia's shrimp fishery	Georgia Southern University

STUDENT ADVISORY COMMITTEES

2015-2016	Jade Boykin (M.S.)- Behavioral, biochemical, and genetic effects of sleep deprivation in zebrafish (<i>Danio rerio</i>)	Georgia Southern University
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STUDENTS MENTORED- UNDERGRADUATE

2017-	*Charissa Simpson	Georgia Southern University
2016-	*Alexis Bivens	Georgia Southern University
2015-	*Lauren Thompson, Tiera Hanley, Garrett Streat	Georgia Southern University
2015-2016	Jonathan Saverese, Tyler Slate	Georgia Southern University
2013-2015	Gabrielle Benitez	Duke University
2013-2014	Brent Bennett	Principia College/Mote Marine Lab
2013-2014	Sarah Bruemmer	Arizona State University/Mote Marine Lab
2012-2013	Jordan Snyder	Brandeis University
2011-2012	Avery Siciliano	Vassar College
2007-2013	Gabrielle Barbarite, Eloise Cave, Theresa Gunn, Lindsay Harris	Florida Atlantic University

*Honors thesis student

COMMITTEES AND SERVICE

	Georgia Southern University
2016-	Honors Program Committee
2016	Southern Scholars Interview Committee
2016	Judge, Best student poster- Biology Undergraduate Research Symposium
2016	Biology representative for Georgia Southern University football program recruits
2015-	Graduate Committee
2015-2016	Faculty Advisor: Pre-Dental Society
2015-2016	Functional Morphology Search Committee
	American Elasmobranch Society
2017	Nominee- Eugenie Clark Award
2017	Nominee- Executive Committee Treasurer
2016-	Symposium lead organizer- Physiological Ecology (for 2017 meeting in Austin, TX)
2016-	Board of Directors
2015	Mentor for High School Mentorship Program at the Annual Meeting (Reno, NV)
2014	Student Workshop Panelist
2014	Session Chair, AES Behavior
2013-2016	Grant Fund Committee
2012-2013	Nominating Committee
2010-2013	Student Affairs Committee (Chair)
2009-2013	Donald R. Nelson Grant Review Committee
2007-2014	Student Affairs Committee (member)
	Sigma Xi Scientific Research Society
2015-2016	Reviewer, Grants-in-Aid of Research

Society for Integrative and Comparative Biology

2016-	Student Support Committee
2014, 2017	Judge, Best Student Paper, Division of Comparative Biochemistry & Physiology
2014	Session Chair, Biophysical Ecology
2013-2016	Representative, Division of Neurobiology, Student Postdoc Affairs Committee

North Carolina State University, College of Veterinary Medicine

2014	Guest Lecturer- elasmobranch necropsy and clinical applications
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Michigan State University, College of Veterinary Medicine

2013-	Guest Lecturer- elasmobranch and cephalopod necropsy and clinical applications (yearly)
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Reviewer for:	<i>Aquatic Biology, BiologyOpen, Endangered Species Research, Environmental Biology of Fishes, Fish Physiology and Biochemistry, Functional Ecology, Integrative and Comparative Biology, Journal of Fish Biology, Marine Biology, Marine and Freshwater Research, PLoS ONE, Royal Society Open, Zoology</i>
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OUTREACH AND MEDIA

2016 (television)	Xploration Nature Knows Best: Swimming With Sharks
2016 (online/print)	NPR Science Friday
2015 (online/print)	LA Times, Live Science, Daily Mail, The Academic Minute, The Australian, Le Monde, Duke Today, Durham Herald-Sun, NTR, Science Magazine, GSNews, The Guardian, Nature News (print and podcast), Slate, ARTE Future, Science Daily, Atlas Obscura, and others
2015 (television)	Discovery Channel, Canada "Daily Planet"
2015 (radio)	CBC Radio "Quirks and Quarks"
2014	National Geographic "How Do Glowing Sharks See in the Dark? New Surprises Revealed"
2013-	Gills Club <i>featured scientist</i> (outreach)
2012	National Geographic Channel "Animal Superpowers" (television)
2011	Florida Oceanographic Society (Public Lecture Series)
2008	The History Channel "Evolve: Shape" (television)
2008	Discovery Channel, Canada "Daily Planet" (television)
2008	National Geographic Channel "Explorer: Shark Superhighway" (television)
2007-2012	Florida Atlantic University Marine Science Facility (outreach)

PROFESSIONAL MEMBERSHIPS

2010-	Sigma Xi Scientific Research Society
2009-	Society for Integrative and Comparative Biology
2006-	American Elasmobranch Society